

## **ABSTRACT**

### **Pressure measurement device comprising a motorized load sensor and a process for controlling the device**

The invention proposes a device for measuring the pressure of blood, intended to engage with a section (16) for measuring the pressure of blood, which section comprises a membrane (38) which is axially deformable under the effect of the blood pressure and which is designed to be mounted on a support structure (20, 22) bearing especially a load sensor (26) arranged substantially facing the membrane (38), characterized in that it comprises controlled means (58) for the relative axial displacement of the sensitive member (52) of the load sensor (26), with respect to the support structure (20, 22), so that the axial position of the sensitive member (52) can be adjusted with respect to the external face (42) of the membrane (38), especially for the purpose of carrying out an initial calibration operation.

The invention also proposes a process for controlling the device.

Figure 3.